

### Прилог 3 - Серијски сервер и медиа конвертери

Предмет набавке Серијски сервер			
Р. бр.	Назив опреме	Количина	
1.	<p><b>Moxa</b> <b>NPort 5650I-8-DTL-T</b></p>	<p><b>Ethernet Interface:</b> Number of Ports: 1 Speed: 10/100 Mbps, auto MDI/MDIX Connector: 8-pin RJ45 Magnetic Isolation Protection: 1.5 kV built-in</p> <p><b>Serial Interface:</b> Number of Ports: 8 Serial Standards: RS-232/422/485 Connector: DB9 male Serial Line Protection: 15 kV ESD protection for all signals 2 kV isolation protection (NPort 5650I-8-DTL only) RS-485 Data Direction Control: ADDC® (Automatic Data Direction Control) Pull High/Low Resistor for RS-485: 1 kΩ, 150 kΩ Terminator for RS-485: 120 Ω</p> <p><b>Software:</b> Network Protocols: ICMP, IPv4, TCP, UDP, DHCP, BOOTP, Telnet, DNS, SNMP V1, HTTP, SMTP, SNTIP, Rtelnet, ARP, RFC2217 Configuration Options: Web Console, Telnet Console, Serial Console, Windows Utility Windows Real COM Drivers: Windows 95/98/ME/NT/2000, Windows XP/2003/Vista/2008/7/8/8.1/10 (x86/x64), Windows 2008 R2/2012/2012 R2 (x64), Windows Embedded CE 5.0/6.0, Windows XP Embedded Fixed TTY Drivers: SCO Unix, SCO OpenServer, UnixWare 7, QNX 4.25, QNX 6, Solaris 10, FreeBSD, AIX 5.x, HP-UX 11i, Mac OS X Linux Real TTY Drivers: Linux 2.4.x, 2.6.x, 3.x, 4.x Android API: Android 3.1.x and later</p> <p><b>Physical Characteristics:</b> Housing: Metal Weight: Port 5650I-8-DTL: 1,850 g (4.08 lb)</p> <p><b>Environmental Limits:</b> Operating Temperature: Wide Temp. Models: -40 to 75°C (-40 to 167°F) Storage Temperature: -40 to 75°C (-40 to 167°F) Ambient Relative Humidity: 5 to 95% (non-condensing)</p> <p><b>Power Requirements:</b> Input Voltage: 12 to 48 VDC Input Current: NPort 5650I-8-DTL: 740 mA @ 12 VDC</p> <p><b>Standards and Certifications:</b> Safety: UL 60950-1 EMC: EN 55032/24 EMI: CISPR 32, FCC Part 15B Class A EMS: IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz, 3 V/m; Signal: 3 V/m IEC 61000-4-8</p> <p><b>Reliability</b> Alert Tools: Built-in buzzer and RTC (real-time clock) Automatic Reboot Trigger: Built-in WDT (watchdog timer) <b>MTBF (mean time between failures):</b> Time: NPort 5650I-8-DTL: 258,150 hrs <b>Warranty Period: 5 years</b></p>	10
2.	<p><b>Moxa</b> <b>PWR-12150-EU-SA-T</b></p>	<p>Screw-type power jack -40 to 75°C wide operating temperature Compact and lightweight</p>	10

		<i>Excellent EMI/EMC characteristics</i> <i>1-year warranty</i>	
3.	<b>Moxa WK-35-04</b>	<i>Wall-mounting kit, 2 plates with 6 screws</i>	10
4.	<b>Moxa CBL-PJ21NOPEN-BK-30</b>	<i>Cable Length: 300±20 mm (11.81±0.79 in)</i>	10
5.	<b>Moxa IMC-21GA-T media converter</b>	<p><i>Standards: IEEE 802.3 for 10BaseT</i> <i>IEEE 802.3u for 100BaseT(X) and 100BaseFX</i> <i>IEEE 802.3ab for 1000BaseT(X)</i> <i>IEEE 802.3z for 1000BaseX</i> <i>IEEE 802.3az (Energy Efficient Ethernet)</i></p> <p><i>Interface:</i> <i>RJ45 Ports: 10/100/1000BaseT(X)</i> <i>Fiber Ports: 100/1000Base-SX/LX or 100/1000BaseSFP slot</i> <i>LED Indicators: PWR1, PWR2, G1 (copper port 10M/100M/1000M), G2 (fiber port 100M/1000M)</i> <i>DIP Switches: Fiber speed 100M/1000M, Link Fault Pass-through, Energy Efficient Ethernet</i> <i>Optical Fiber: Single-mode Transmission Distance (IMC-21GA-LX-SC)</i> <i>1000BaseLX: 0 to 10 km, 1310 nm (9/125 μm, 3.5 PS/(nm*km))</i></p> <p><i>Housing: Metal, IP30 protection</i> <i>Dimensions: 30 x 125 x 79 mm (1.19 x 4.92 x 3.11 in)</i> <i>Weight: 170 g (0.37 lb)</i> <i>Installation: DIN-rail mounting, wall mounting (with optional kit)</i> <i>Operating Temperature: Wide Temp. Models: -40 to 75°C (-40 to 167°F)</i> <i>Storage Temperature: -40 to 75°C (-40 to 167°F)</i> <i>Ambient Relative Humidity: 5 to 95% (non-condensing)</i> <i>Input Voltage: 12 to 48 VDC, redundant inputs</i> <i>Input Current: 285 mA @ 48 VDC max.</i> <i>Connection: Removable terminal block</i> <i>Overload Current Protection: 1.5 A</i> <i>Reverse Polarity Protection: Present</i></p> <p><i>Standards and Certifications:</i> <i>Safety: UL 60950-1</i> <i>EMC: EN 55032/24</i> <i>EMI: CISPR 32, FCC Part 15B Class A</i> <i>EMS: EN 61000-4-2 (ESD): Contact: 6 kV; Air: 8 kV</i> <i>EN 61000-4-3 (RS): 80 MHz to 1 GHz: 1 V/m</i> <i>EN 61000-4-4 (EFT): Power: 1 kV; Signal: 1 kV</i> <i>EN 61000-4-5 (Surge): Power: 1 kV; Signal: 1 kV</i> <i>EN 61000-4-6 (CS): 150 kHz to 80 MHz: 3 V/m</i> <i>EN 61000-4-8 (PFMF)</i> <i>EN 61000-4-11</i></p> <p><i>Green Product: RoHS, CRoHS, WEEE</i> <i>Shock: IEC 60068-2-27</i> <i>Freefall: IEC 60068-2-32</i> <i>Vibration: IEC 60068-2-6</i> <i>•MTBF (mean time between failures):</i> <i>Time IMC-21GA: 2,762,058 hrs</i> <i>IMC-21GA-LX-SC: 2,573,203 hrs</i> <i>IMC-21GA-SX-SC: 2,573,203 hrs</i> <b>Warranty Period: 5 years</b></p>	20
6.	<b>Moxa SFP-1GLXLC-T sfp modul</b>	<i>Digital Diagnostic Monitor Function</i> <i>-40 to 85°C operating temperature range (T models)</i> <i>IEEE 802.3z compliant</i> <i>Differential LVPECL inputs and outputs</i> <i>TTL signal detect indicator</i> <i>Hot pluggable LC duplex connector</i> <i>Class 1 laser product, complies with EN 60825-1</i>	20